

Table 299. Energy Consumption Estimates by Source, Selected Years 1960-1997, Washington

Year	Coal ^a	Natural Gas ^b	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d		Net Interstate Flow of Electricity/Losses ^g	Total ^h	
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kerosene ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh	Biomass ^e	Other ^{a,f}	Million kWh		
1960	608	65	1,309	2,161	18,123	4,502	105	548	571	23,076	9,300	3,679	63,374	0	34,299	-	-17,081	-	
1965	488	108	1,683	434	17,116	6,919	34	1,227	597	26,906	9,140	8,048	72,104	0	48,814	-	-33,455	-	
1970	245	150	2,335	351	18,201	10,637	239	1,659	666	36,068	10,384	9,762	90,303	2,614	70,142	-	-60,750	-	
1975	4,492	164	2,910	274	16,970	14,037	346	763	620	41,007	8,459	11,962	97,349	3,308	85,438	-	-95,362	-	
1980	5,443	129	2,050	356	18,471	12,036	120	1,487	703	42,653	17,277	9,905	105,057	2,041	83,971	-	-46,955	-	
1985	5,616	135	2,039	202	20,360	15,417	1,212	2,466	640	44,020	11,406	10,574	108,337	8,038	77,956	-	-33,631	-	
1986	3,790	118	2,404	228	23,283	17,073	751	2,525	625	46,950	15,553	10,301	119,692	8,439	76,638	-	-28,660	-	
1987	5,819	132	2,268	275	21,226	18,596	860	3,345	707	51,252	13,771	14,531	126,830	5,528	70,964	-	-7,650	-	
1988	5,929	147	1,921	214	21,091	20,647	945	2,828	682	50,699	16,339	15,957	131,323	6,000	69,053	-	20,711	-	
1989	5,843	163	2,612	188	21,037	20,592	712	3,399	699	53,814	15,820	17,595	136,468	6,118	NA	-	R 16,222	-	
1990	5,147	163	2,481	313	21,787	22,343	75	2,292	720	53,464	16,500	20,217	140,191	5,742	NA	-	R -13,350	-	
1991	5,461	173	2,967	268	19,958	21,306	70	2,596	644	54,238	17,398	19,591	139,036	4,230	NA	-	R -11,885	-	
1992	6,402	169	3,023	289	18,453	24,066	47	2,549	656	55,196	23,438	25,701	153,419	5,692	NA	-	R 25,348	-	
1993	5,934	198	2,941	198	15,469	22,226	63	2,582	668	57,385	15,928	22,248	139,707	7,135	NA	-	37,020	-	
1994	6,303	213	3,526	318	18,810	21,492	89	2,594	699	57,446	15,766	24,424	145,164	6,740	NA	-	R 25,887	-	
1995	4,158	220	3,558	229	18,846	23,039	121	2,913	687	58,836	17,575	24,573	150,377	6,942	NA	-	R -6,094	-	
1996	5,682	239	3,696	292	18,978	22,323	142	3,278	666	61,611	12,984	26,298	150,268	5,588	NA	-	R -78,130	-	
1997	4,949	231	4,048	202	21,630	22,454	167	3,311	704	61,213	13,193	25,066	151,987	6,244	NA	-	-81,477	-	
Trillion Btu																			
1960	15.2	67.2	8.7	10.9	105.6	24.4	0.6	2.2	3.5	121.2	58.5	22.1	357.6	0.0	369.1	R 58.5	0.0	-58.3	R 809.4
1965	12.1	116.2	11.2	2.2	99.7	38.2	0.2	4.9	3.6	141.3	57.5	48.3	407.0	0.0	510.3	R 66.2	0.0	-114.1	R 997.7
1970	5.9	158.2	15.5	1.8	106.0	59.3	1.4	6.3	4.0	189.5	65.3	58.5	507.5	28.7	736.1	R 66.5	0.0	-207.3	R 1,295.6
1975	76.2	171.2	19.3	1.4	98.8	78.8	2.0	2.8	3.8	215.4	53.2	71.8	547.2	36.4	889.1	R 64.3	0.0	-325.4	R 1,459.1
1980	91.0	135.5	13.6	1.8	107.6	67.5	0.7	5.5	4.3	224.1	108.6	59.3	592.8	22.3	872.3	R 100.0	0.0	-160.2	R 1,653.6
1985	93.7	140.0	13.5	1.0	118.6	86.6	6.9	8.9	3.9	231.2	71.7	64.5	606.8	86.9	814.4	R 119.6	0.0	-114.8	R 1,746.7
1986	63.3	121.8	16.0	1.2	135.6	96.1	4.3	9.2	3.8	246.6	97.8	63.3	673.7	91.1	800.6	R 144.0	0.0	-97.8	R 1,796.7
1987	95.7	136.1	15.1	1.4	123.6	104.7	4.9	12.2	4.3	269.2	86.6	88.1	710.1	59.6	739.4	R 150.6	0.0	-26.1	R 1,865.3
1988	99.1	150.6	12.7	1.1	122.9	116.3	5.4	10.3	4.1	266.3	102.7	96.4	738.2	64.5	712.9	R 156.8	0.0	70.7	R 1,992.7
1989	96.9	168.0	17.3	1.0	122.5	116.0	4.0	12.5	4.2	282.7	99.5	105.8	765.6	65.6	731.4	R 147.4	R 0.4	R 55.4	R 2,032.3
1990	85.6	167.6	16.5	1.6	126.9	126.0	0.4	8.3	4.4	280.8	103.7	121.6	790.3	61.3	889.8	R 121.7	R 0.4	R 45.5	R 2,070.9
1991	89.2	178.4	19.7	1.4	116.3	120.2	0.4	9.4	3.9	284.9	109.4	117.5	783.0	45.4	920.1	R 124.1	R 0.4	R 40.6	R 2,093.3
1992	106.1	174.7	20.1	1.5	107.5	136.0	0.3	9.2	4.0	289.9	147.4	153.5	869.3	60.8	695.2	R 134.0	R 0.4	R 86.5	R 2,128.2
1993	97.8	205.7	19.5	1.0	90.1	125.6	0.4	9.3	4.1	301.4	100.1	133.1	784.7	76.2	665.9	R 134.2	R 0.5	126.3	R 2,079.6
1994	106.9	221.5	23.4	1.6	109.6	121.7	0.5	9.4	4.2	301.8	99.1	146.0	817.4	72.0	660.0	R 140.2	R 0.5	R 88.3	R 2,093.1
1995	69.8	229.2	23.6	1.2	109.8	130.4	0.7	10.6	4.2	309.1	110.5	147.0	846.9	74.0	834.1	R 140.6	R 0.5	R 20.8	R 2,145.9
1996	90.9	247.5	24.5	1.5	110.5	126.5	0.8	11.8	4.0	323.6	81.6	157.0	842.1	59.4	1045.2	R 146.8	R 0.6	R 266.6	R 2,152.3
1997	80.5	241.9	26.9	1.0	126.0	127.3	0.9	12.0	4.3	321.6	82.9	149.6	852.5	66.3	1,058.7	141.5	0.6	-278.0	2,164.2

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d Through 1989, includes all net imports electricity, and, from 1990, includes only the portion of net imports of electricity that is derived from hydroelectric power.

^e "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

^f "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^g Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^h From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 300. Residential Energy Consumption Estimates, Selected Years 1960-1997, Washington

Year	Coal			Natural Gas ^b	Petroleum				Wood	Geothermal	Solar ^c	Electricity ^a	Million Kilowatthours	Net Energy	Million Kilowatthours	Electrical System Energy Losses ^d	
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total									
	Billion Cubic Feet				Thousand Barrels								Thousand Cords				
Year	Thousand Short Tons																
1960	63	0	63	8	7,303	0	347	7,650	R 888	-	-	8,755	-	21,776	-		
1965	51	0	51	17	6,495	9	894	7,399	R 624	-	-	11,015	-	26,298	-		
1970	12	0	12	32	7,035	115	1,145	8,296	R 479	-	-	15,355	-	37,209	-		
1975	7	0	7	34	4,806	203	404	5,413	R 513	-	-	19,209	-	46,334	-		
1980	56	0	56	30	3,422	65	626	4,113	R 652	-	-	24,445	-	59,442	-		
1985	76	0	76	33	3,095	86	553	3,734	R 757	-	-	27,933	-	65,625	-		
1986	31	0	31	30	3,071	50	428	3,548	R 737	-	-	26,503	-	60,965	-		
1987	18	0	18	30	3,029	41	666	3,736	R 1,013	-	-	25,773	-	58,890	-		
1988	41	(s)	41	35	3,025	59	532	3,616	R 1,052	-	-	27,203	-	61,500	-		
1989	32	0	32	38	2,744	54	608	3,406	R 1,091	-	-	28,653	-	R 64,378	-		
1990	23	0	23	40	2,998	49	657	3,704	949	-	-	28,809	-	R 63,012	-		
1991	28	(s)	28	46	2,482	46	891	3,419	1,000	-	-	29,889	-	R 65,065	-		
1992	32	(s)	32	43	1,827	29	880	2,737	1,052	-	-	28,436	-	R 60,739	-		
1993	40	0	40	53	1,517	44	921	2,482	R 899	-	-	30,932	-	65,353	-		
1994	30	0	30	53	1,523	66	944	2,532	R 881	-	-	29,673	-	R 61,919	-		
1995	27	0	27	53	1,478	86	1,237	2,801	R 978	-	-	30,147	-	R 62,806	-		
1996	8	0	8	63	1,499	110	1,258	2,867	R 976	-	-	32,012	-	R 66,625	-		
1997	8	0	8	62	1,455	133	1,258	2,846	710	-	-	31,749	-	65,936	-		
Trillion Btu																	
1960	1.4	0.0	1.4	8.3	42.5	0.0	1.4	43.9	R 17.8	0.0	0.0	29.9	R 101.3	74.3	R 175.6		
1965	1.2	0.0	1.2	18.7	37.8	0.1	3.6	41.5	R 12.5	0.0	0.0	37.6	R 111.4	89.7	R 201.1		
1970	0.3	0.0	0.3	33.7	41.0	0.7	4.3	46.0	R 9.6	0.0	0.0	52.4	R 141.9	127.0	R 268.8		
1975	0.1	0.0	0.1	35.8	28.0	1.1	1.5	30.6	R 10.3	0.0	0.0	65.5	R 142.4	158.1	R 300.5		
1980	1.3	0.0	1.3	31.3	19.9	0.4	2.3	22.6	R 13.0	0.0	0.0	83.4	R 151.6	202.8	R 354.4		
1985	1.8	0.0	1.8	34.3	18.0	0.5	2.0	20.5	R 15.1	0.0	0.0	95.3	R 167.1	223.9	R 391.0		
1986	0.7	0.0	0.7	31.1	17.9	0.3	1.6	19.7	R 14.7	0.0	0.0	90.4	R 156.7	208.0	R 364.7		
1987	0.4	0.0	0.4	30.8	17.6	0.2	2.4	20.3	R 20.3	0.0	0.0	87.9	R 159.7	200.9	R 360.6		
1988	0.9	(s)	0.9	35.9	17.6	0.3	1.9	19.9	R 21.0	0.0	0.0	92.8	R 170.5	209.8	R 380.4		
1989	0.7	0.0	0.7	39.6	16.0	0.3	2.2	18.5	R 21.8	e (s)	R e 0.3	97.8	R e 178.7	R 219.7	R e 398.4		
1990	0.5	0.0	0.5	41.6	17.5	0.3	2.4	20.1	19.0	(s)	0.3	98.3	179.8	215.0	394.8		
1991	0.6	(s)	0.6	47.7	14.5	0.3	3.2	17.9	20.0	(s)	0.3	102.0	188.5	222.0	410.5		
1992	0.7	(s)	0.7	44.4	10.6	0.2	3.2	14.0	21.0	(s)	0.3	97.0	R 177.6	207.2	384.8		
1993	0.9	0.0	0.9	55.2	8.8	0.2	3.3	12.4	R 18.0	(s)	0.3	105.5	R 192.4	223.0	R 415.4		
1994	0.7	0.0	0.7	55.3	8.9	0.4	3.4	12.7	17.6	(s)	0.3	101.2	R 187.9	R 211.3	399.1		
1995	0.6	0.0	0.6	54.9	8.6	0.5	4.5	13.6	R 19.6	(s)	0.3	102.9	191.8	214.3	R 406.1		
1996	0.2	0.0	0.2	65.0	8.7	0.6	4.5	13.9	19.5	(s)	0.3	109.2	R 208.2	227.3	435.5		
1997	0.2	0.0	0.2	64.7	8.5	0.8	4.5	13.8	14.2	(s)	0.4	108.3	201.5	225.0	426.5		

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

-=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 301. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Washington

Year	Coal			Natural Gas ^b	Petroleum						Wood	Geothermal	Electricity ^a	Electrical System Energy Losses ^c	Total ^d		
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total							
	Billion Cubic Feet				Thousand Barrels												
Year	Thousand Short Tons	Thousand Short Tons	Billion Cubic Feet								Thousand Cords	Million Kilowatthours	Net Energy	Million Kilowatthours	Million Kilowatthours	Total ^d	
1960	117	0	117	6	2,308	0	61	222	441	3,032	R 17	—	3,220	—	8,010	—	
1965	95	0	95	11	2,053	1	158	255	412	2,880	R 12	—	4,380	—	10,457	—	
1970	23	0	23	18	2,224	15	202	304	481	3,226	R 9	—	6,723	—	R 16,293	—	
1975	13	0	13	32	1,519	26	71	374	355	2,345	R 10	—	10,377	—	25,030	—	
1980	105	0	105	31	1,073	18	111	478	426	2,105	R 16	—	13,845	—	33,667	—	
1985	140	0	140	35	4,272	206	98	357	748	5,681	NA	—	R 18,965	—	R 44,557	—	
1986	57	0	57	32	2,419	52	75	309	140	2,995	NA	—	R 18,816	—	R 43,281	—	
1987	34	0	34	32	2,331	806	118	314	55	3,623	NA	—	R 19,698	—	R 45,008	—	
1988	75	(s)	75	37	2,644	869	94	278	220	4,105	NA	—	R 20,706	—	R 46,812	—	
1989	59	0	59	39	1,708	651	107	260	71	2,796	NA	—	R 20,637	—	R 46,367	—	
1990	43	0	43	39	2,090	14	116	281	53	2,555	NA	—	R 21,510	—	R 47,047	—	
1991	52	(s)	52	42	1,611	17	157	189	101	2,075	NA	—	R 21,967	—	R 47,819	—	
1992	59	(s)	59	38	816	12	155	131	56	1,171	NA	—	R 22,532	—	R 48,129	—	
1993	74	0	74	44	675	13	163	48	60	959	R 72	—	R 22,959	—	R 48,508	—	
1994	56	0	56	43	721	16	167	48	48	1,000	R 74	—	R 23,377	—	R 48,781	—	
1995	51	0	51	43	932	14	218	59	111	1,335	R 74	—	R 23,912	—	R 49,815	—	
1996	15	0	15	48	673	8	222	60	170	1,134	R 80	—	R 25,142	—	R 52,326	—	
1997	14	0	14	47	854	13	222	60	46	1,196	69	—	25,191	—	52,316	—	
Trillion Btu																	
1960	2.7	0.0	2.7	6.7	13.4	0.0	0.2	1.2	2.8	17.6	R 0.3	0.0	11.0	R 38.3	27.3	R 65.7	
1965	2.2	0.0	2.2	11.5	12.0	(s)	0.6	1.3	2.6	16.5	R 0.2	0.0	14.9	R 45.3	35.7	R 81.0	
1970	0.5	0.0	0.5	19.5	13.0	0.1	0.8	1.6	3.0	18.4	R 0.2	0.0	22.9	R 61.5	55.6	R 117.1	
1975	0.3	0.0	0.3	33.3	8.8	0.1	0.3	2.0	2.2	13.5	R 0.2	0.0	35.4	R 82.6	85.4	R 168.0	
1980	2.4	0.0	2.4	32.4	6.2	0.1	0.4	2.5	2.7	11.9	R 0.3	0.0	47.2	R 94.2	114.9	R 209.1	
1985	3.3	0.0	3.3	36.9	24.9	1.2	0.4	1.9	4.7	33.0	NA	0.0	64.7	137.9	152.0	289.9	
1986	1.3	0.0	1.3	33.0	14.1	0.3	0.3	1.6	0.9	17.2	NA	0.0	64.2	115.6	147.7	263.3	
1987	0.8	0.0	0.8	33.4	13.6	4.6	0.4	1.7	0.3	20.6	NA	0.0	67.2	122.0	153.6	R 275.5	
1988	1.7	(s)	1.7	37.6	15.4	4.9	0.3	1.5	1.4	23.5	NA	0.0	70.7	R 133.4	159.7	293.2	
1989	1.3	0.0	1.3	39.7	9.9	3.7	0.4	1.4	0.4	15.8	NA	^e (s)	70.4	127.3	158.2	285.5	
1990	0.9	0.0	0.9	39.8	12.2	0.1	0.4	1.5	0.3	14.5	NA	0.1	73.4	R 128.7	160.5	289.2	
1991	1.2	(s)	1.2	43.0	9.4	0.1	0.6	1.0	0.6	11.7	NA	0.1	75.0	R 130.9	163.2	R 294.1	
1992	1.3	(s)	1.3	39.0	4.8	0.1	0.6	0.7	0.4	6.4	NA	0.1	76.9	123.7	164.2	R 288.0	
1993	1.7	0.0	1.7	45.2	3.9	0.1	0.6	0.3	0.4	5.2	R 1.4	0.1	78.3	R 132.0	165.5	R 297.5	
1994	1.3	0.0	1.3	44.7	4.2	0.1	0.6	0.3	0.3	5.5	R 1.5	0.1	79.8	R 132.8	166.4	R 299.3	
1995	1.1	0.0	1.1	44.3	5.4	0.1	0.8	0.3	0.7	7.3	R 1.5	0.2	81.6	R 135.9	170.0	R 305.9	
1996	0.4	0.0	0.4	49.9	3.9	(s)	0.8	0.3	1.1	6.2	R 1.6	0.2	85.8	R 144.0	R 178.5	R 322.5	
1997	0.3	0.0	0.3	48.8	5.0	0.1	0.8	0.3	0.3	6.5	1.4	0.2	86.0	143.2	178.5	321.7	

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 302. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Washington

Year	Coal	Natural Gas ^a	Petroleum										Hydro-electric Power ^b	Wood and Waste	Other ^{b,d}	Electricity ^b	Electrical System Energy Losses ^e	Total
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kerosene ^b	LPG ^b	Lubricants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels										Other ^{b,d}	Other ^{b,d}	Other ^{b,d}	Other ^{b,d}	Other ^{b,d}	
1960	420	50	1,309	5,937	105	134	158	802	7,137	3,679	19,260	195	—	—	13,975	—	34,761	—
1965	341	79	1,683	5,546	23	155	216	765	7,281	8,048	23,718	190	—	—	18,703	—	44,656	—
1970	210	93	2,335	4,986	109	274	267	551	7,874	9,762	26,157	135	—	—	25,530	—	61,867	—
1975	463	92	2,910	4,025	118	250	192	438	5,924	11,962	25,820	181	—	—	27,416	—	66,132	—
1980	332	64	2,050	4,350	37	658	202	278	6,538	9,905	24,018	129	—	—	31,366	—	76,271	—
1985	208	63	2,039	2,766	920	1,487	184	692	5,167	10,574	23,829	129	—	—	29,431	—	69,146	—
1986	372	54	2,404	3,580	649	1,738	179	740	6,480	10,301	26,073	129	—	—	30,040	—	69,100	—
1987	298	66	2,268	3,736	14	2,315	203	736	5,584	14,531	29,387	129	—	—	31,597	—	72,196	—
1988	252	69	1,921	2,889	17	1,926	196	676	6,431	15,957	30,012	129	—	—	36,909	—	83,443	—
1989	238	73	2,612	3,681	7	2,436	201	697	2,044	17,595	29,273	f NA	—	—	37,369	—	R 83,962	—
1990	229	78	2,481	4,456	11	1,228	207	658	2,017	20,217	31,275	NA	—	—	40,712	—	R 89,046	—
1991	197	80	2,967	3,985	7	1,302	185	794	1,340	19,591	30,170	NA	—	—	40,839	—	R 88,902	—
1992	163	80	3,023	3,404	6	1,307	188	806	996	25,701	35,432	NA	—	—	38,332	—	R 81,876	—
1993	174	92	2,941	2,670	6	1,284	192	526	859	22,248	30,727	NA	—	—	36,563	—	77,250	—
1994	201	108	3,526	2,870	8	1,172	200	532	907	24,424	33,640	NA	—	—	34,065	—	R 71,085	—
1995	223	110	3,558	2,748	21	1,278	197	555	654	24,573	33,584	NA	—	—	34,276	—	R 71,408	—
1996	152	114	3,696	2,519	24	1,642	191	565	328	26,298	35,263	NA	—	—	30,241	—	R 62,939	—
1997	156	111	4,048	2,711	21	1,689	202	593	309	25,066	34,640	NA	—	—	31,348	—	65,102	—
Trillion Btu																		
1960	10.9	51.8	8.7	34.6	0.6	0.5	1.0	4.2	44.9	22.1	116.5	2.1	R 40.4	0.0	47.7	R 269.4	118.6	R 388.1
1965	8.8	85.3	11.2	32.3	0.1	0.6	1.3	4.0	45.8	48.3	143.6	2.0	R 53.5	0.0	63.8	R 357.0	152.4	R 509.4
1970	5.1	98.3	15.5	29.0	0.6	1.0	1.6	2.9	49.5	58.5	158.7	1.4	R 56.8	0.0	87.1	R 407.3	211.1	R 618.4
1975	10.9	96.0	19.3	23.4	0.7	0.9	1.2	2.3	37.2	71.8	156.8	1.9	R 53.9	0.0	93.5	R 413.0	225.6	R 638.7
1980	7.1	67.0	13.6	25.3	0.2	2.4	1.2	1.5	41.1	59.3	144.6	1.3	R 86.7	0.0	107.0	R 413.8	260.2	R 674.0
1985	4.5	65.7	13.5	16.1	5.2	5.4	1.1	3.6	32.5	64.5	141.9	1.4	R 101.5	0.0	100.4	R 415.4	235.9	R 651.4
1986	7.4	55.6	16.0	20.9	3.7	6.3	1.1	3.9	40.7	63.3	155.8	1.4	R 127.2	0.0	102.5	R 449.8	235.8	R 685.6
1987	5.9	67.9	15.1	21.8	0.1	8.5	1.2	3.9	35.1	88.1	173.7	1.3	R 126.7	0.0	107.8	R 483.3	246.3	R 729.6
1988	5.3	71.2	12.7	16.8	0.1	7.0	1.2	3.6	40.4	96.4	178.2	1.3	R 131.8	0.0	125.9	R 513.8	284.7	R 798.5
1989	4.9	75.6	17.3	21.4	(s)	9.0	1.2	3.7	12.9	105.8	171.3	R f 2.6	R f 116.6	f 0	127.5	R f 498.6	R f 286.5	R f 785.0
1990	5.2	80.8	16.5	26.0	0.1	4.5	1.3	3.5	12.7	121.6	185.9	R 3.9	R 93.4	0.0	138.9	R 508.1	303.8	R 811.9
1991	4.3	82.2	19.7	23.2	(s)	4.7	1.1	4.2	8.4	117.5	178.8	4.1	R 96.6	0.0	139.3	R 505.4	303.3	R 808.7
1992	3.4	82.4	20.1	19.8	(s)	4.7	1.1	4.2	6.3	153.5	209.8	3.7	R 103.6	0.0	130.8	R 533.7	279.4	R 813.0
1993	3.5	95.7	19.5	15.6	(s)	4.6	1.2	2.8	5.4	133.1	182.2	3.4	R 104.4	0.0	124.8	R 514.0	263.6	R 777.6
1994	3.9	112.0	23.4	16.7	(s)	4.3	1.2	2.8	5.7	146.0	200.2	3.9	R 109.9	0.0	116.2	R 546.1	242.5	R 788.7
1995	4.2	114.4	23.6	16.0	0.1	4.6	1.2	2.9	4.1	147.0	199.6	4.9	R 114.6	0.0	117.0	R 554.7	243.6	R 798.3
1996	3.0	118.4	24.5	14.7	0.1	5.9	1.2	3.0	2.1	157.0	208.5	4.6	R 121.0	0.0	103.2	R 558.6	R 214.7	R 773.4
1997	3.2	116.3	26.9	15.8	0.1	6.1	1.2	3.1	1.9	149.6	204.7	5.7	120.3	0.0	107.0	557.1	222.1	779.3

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. —=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 303. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Washington

Year	Coal ^a	Natural Gas ^b	Petroleum									Ethanol ^c	Electricity ^a	Electrical System Energy Losses ^d	Total ^c	
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours		
1960	7	(s)	2,161	2,574	4,502	6	413	22,052	1,707	33,415	0	1	—	3	—	
1965	1	1	434	3,022	6,919	21	381	25,886	1,443	38,104	0	R 2	—	4	—	
1970	(s)	6	351	3,956	10,637	38	400	35,213	2,025	52,620	0	R 2	—	R 4	—	
1975	(s)	6	274	6,616	14,036	37	428	40,196	2,109	63,696	0	2	—	4	—	
1980	0	4	356	9,595	12,036	92	501	41,897	10,112	74,589	0	2	—	R 5	—	
1985	0	3	202	10,210	15,417	329	456	42,971	5,492	75,076	0	R 14	—	R 32	—	
1986	0	2	228	14,194	17,073	284	446	45,900	8,931	87,056	0	R 13	—	R 31	—	
1987	0	4	275	12,113	18,596	246	504	50,202	8,131	90,066	0	R 14	—	R 33	—	
1988	0	4	214	12,518	20,647	277	486	49,744	9,688	93,574	0	R 14	—	R 31	—	
1989	0	4	188	12,862	20,592	249	499	52,856	13,556	100,801	R e 65,945	R 15	—	R 35	—	
1990	0	5	313	12,213	22,343	291	513	52,525	14,428	102,626	76,162	R 16	—	R 34	—	
1991	0	5	268	11,866	21,306	246	459	53,256	15,957	103,357	60,372	R 19	—	R 40	—	
1992	0	3	289	12,394	24,066	207	468	54,259	22,385	114,067	73,375	R 20	—	R 42	—	
1993	0	4	198	10,545	22,226	214	477	56,811	15,008	105,478	81,885	R 19	—	R 39	—	
1994	0	7	318	13,685	21,492	312	498	56,866	14,810	107,981	93,651	R 19	—	R 39	—	
1995	0	9	229	13,669	23,039	179	490	58,222	16,809	112,638	30,395	R 18	—	R 38	—	
1996	0	7	292	14,269	22,323	157	475	60,986	12,485	110,988	13,512	R 17	—	R 36	—	
1997	0	9	202	16,570	22,454	143	502	60,559	12,837	113,268	26,466	18	—	38	—	
Trillion Btu																
1960	0.2	0.4	10.9	15.0	24.4	(s)	2.5	115.8	10.7	179.4	0.0	(s)	180.0	(s)	180.0	
1965	(s)	0.7	2.2	17.6	38.2	0.1	2.3	136.0	9.1	205.4	0.0	(s)	206.2	(s)	206.2	
1970	(s)	6.8	1.8	23.0	59.3	0.1	2.4	185.0	12.7	284.4	0.0	(s)	291.2	(s)	291.2	
1975	(s)	6.1	1.4	38.5	78.7	0.1	2.6	211.1	13.3	345.8	0.0	(s)	351.9	(s)	351.9	
1980	0.0	3.9	1.8	55.9	67.5	0.3	3.0	220.1	63.6	412.2	0.0	(s)	416.1	(s)	416.1	
1985	0.0	3.0	1.0	59.5	86.6	1.2	2.8	225.7	34.5	411.3	0.0	(s)	414.4	0.1	R 414.5	
1986	0.0	2.0	1.2	82.7	96.1	1.0	2.7	241.1	56.2	480.9	0.0	(s)	483.0	0.1	483.1	
1987	0.0	3.9	1.4	70.6	104.7	0.9	3.1	263.7	51.1	495.4	0.0	(s)	499.4	0.1	499.5	
1988	0.0	4.1	1.1	72.9	116.3	1.0	2.9	261.3	60.9	516.5	R e 0.0	(s)	520.6	0.1	520.7	
1989	0.0	4.5	1.0	74.9	116.0	0.9	3.0	277.7	85.2	558.7	R e 5.0	R 0.1	e 563.3	0.1	e 563.4	
1990	0.0	5.3	1.6	71.1	126.0	1.1	3.1	275.9	90.7	569.5	5.8	R 0.1	574.8	0.1	R 575.0	
1991	0.0	5.3	1.4	69.1	120.2	0.9	2.8	279.8	100.3	574.5	4.6	0.1	579.8	0.1	580.0	
1992	0.0	3.3	1.5	72.2	136.0	0.7	2.8	285.0	140.7	639.0	5.6	0.1	642.3	0.1	642.4	
1993	0.0	4.5	1.0	61.4	125.6	0.8	2.9	298.4	94.4	584.5	6.3	0.1	589.0	0.1	589.1	
1994	0.0	6.9	1.6	79.7	121.7	1.1	3.0	298.7	93.1	599.0	7.2	0.1	605.9	0.1	606.0	
1995	0.0	9.1	1.2	79.6	130.4	0.6	3.0	305.8	105.7	626.3	2.3	R 0.1	635.4	0.1	R 635.6	
1996	0.0	7.2	1.5	83.1	126.5	0.6	2.9	320.4	78.5	613.4	1.0	R 0.1	620.7	0.1	R 620.9	
1997	0.0	9.4	1.0	96.5	127.3	0.5	3.0	318.1	80.7	627.2	2.0	0.1	636.7	0.1	636.8	

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 304. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Washington

Year	Coal			Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g				
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total										
	Billion Cubic Feet			Thousand Barrels				Million Kilowatthours										
Year	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels				Million Kilowatthours									
1960	0	0	0	0	14	2	0	16	0	34,104	1	0	0	0	-			
1965	0	0	0	0	3	(s)	0	3	0	48,624	0	0	0	0	-			
1970	0	0	0	0	3	(s)	0	4	2,614	70,008	(s)	0	0	0	-			
1975	4,009	0	4,009	0	71	4	0	75	3,308	85,257	0	0	0	0	-			
1980	4,950	0	4,950	1	201	31	0	232	2,041	83,841	0	0	0	0	-			
1985	5,192	0	5,192	(s)	0	17	0	17	8,038	77,827	282	0	0	0	-			
1986	3,329	0	3,329	(s)	1	19	0	20	8,439	76,509	191	0	0	0	-			
1987	5,468	0	5,468	(s)	1	17	0	18	5,528	70,834	348	0	0	0	-			
1988	5,561	0	5,561	2	1	16	0	16	6,000	68,924	383	0	0	0	-			
1989	5,514	0	5,514	8	150	42	0	192	6,118	R 69,864	376	0	0	0	-			
1990	4,852	0	4,852	(s)	1	30	0	31	5,742	85,167	333	0	0	0	-			
1991	5,184	0	5,184	(s)	1	15	0	16	4,230	87,771	274	0	0	0	-			
1992	6,148	0	6,148	5	1	12	0	13	5,692	66,864	361	0	0	0	-			
1993	5,646	0	5,646	5	1	62	0	62	7,135	64,263	395	0	0	0	-			
1994	6,016	0	6,016	2	0	12	0	12	6,740	63,602	396	0	0	0	-			
1995	3,857	0	3,857	6	0	18	0	18	6,942	80,406	261	0	0	0	-			
1996	5,507	0	5,507	7	0	16	0	16	5,588	100,688	360	0	0	0	-			
1997	4,771	0	4,771	3	0	39	0	39	6,244	102,129	353	0	0	0	-			
Trillion Btu																		
1960	0.0	0.0	0.0	0.0	0.1	(s)	0.0	0.1	0.0	367.0	(s)	0.0	0.0	0.0	367.1			
1965	0.0	0.0	0.0	0.0	(s)	(s)	0.0	(s)	0.0	508.3	0.0	0.0	0.0	0.0	508.3			
1970	0.0	0.0	0.0	0.0	(s)	(s)	0.0	(s)	28.7	734.7	(s)	0.0	0.0	0.0	763.4			
1975	64.9	0.0	64.9	0.0	0.4	(s)	0.0	0.5	36.4	887.2	0.0	0.0	0.0	0.0	989.0			
1980	80.2	0.0	80.2	1.0	1.3	0.2	0.0	1.4	22.3	870.9	0.0	0.0	0.0	0.0	975.8			
1985	84.1	0.0	84.1	0.1	0.0	0.1	0.0	0.1	86.9	813.1	2.9	0.0	0.0	0.0	987.2			
1986	53.9	0.0	53.9	0.1	(s)	0.1	0.0	0.1	91.1	799.2	2.0	0.0	0.0	0.0	946.5			
1987	88.6	0.0	88.6	0.1	(s)	0.1	0.0	0.1	59.6	738.0	3.6	0.0	0.0	0.0	890.1			
1988	91.3	0.0	91.3	1.8	(s)	0.1	0.0	0.1	64.5	711.6	4.0	0.0	0.0	0.0	873.2			
1989	90.0	0.0	90.0	8.6	0.9	0.2	0.0	1.2	65.6	R 728.8	3.9	0.0	0.0	0.0	904.8			
1990	78.9	0.0	78.9	0.2	(s)	0.2	0.0	0.2	61.3	R 885.9	3.5	0.0	0.0	R 1,035.7				
1991	83.1	0.0	83.1	0.1	(s)	0.1	0.0	0.1	45.4	R 916.0	2.9	0.0	0.0	R 1,045.5				
1992	100.7	0.0	100.7	5.7	(s)	0.1	0.0	0.1	60.8	R 691.5	3.7	0.0	0.0	R 869.2				
1993	91.7	0.0	91.7	5.1	(s)	0.4	0.0	0.4	76.2	662.5	4.1	0.0	0.0	0.0	834.6			
1994	101.1	0.0	101.1	2.6	0.0	0.1	0.0	0.1	72.0	R 656.1	4.1	0.0	0.0	R 829.4				
1995	63.8	0.0	63.8	6.7	0.0	0.1	0.0	0.1	74.0	R 829.1	2.7	0.0	0.0	R 950.3				
1996	87.4	0.0	87.4	6.9	0.0	0.1	0.0	0.1	59.4	R 1,040.6	3.7	0.0	0.0	R 1,185.6				
1997	76.7	0.0	76.7	2.7	0.0	0.2	0.0	0.2	66.3	1,053.1	3.6	0.0	0.0	0.0	1,205.0			

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e Through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of net imports of electricity that is derived from hydroelectric power.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.